



SF6 INSULATED RING MAIN UNIT

12kV up to 20kA

Tamco has been manufacturing medium voltage Ring Main Units in Malaysia since the early 1970's. The type GR1 is a proven product with more than 100,000 units installed worldwide. The design of the GR1 combines tried and tested construction principles with state-of-the-art insulation and current interruption techniques. The type GR1 includes extensible and non-extensible RMU suitable for indoor or outdoor installation.

CONFIGURATIONS

- 1 x Circuit Breaker (GR1-01)
 - 1 x Ring Switch (GR1-10)
 - 2 x Ring Switch (GR1-20)
 - 3 x Ring Switch (GR1-30)
- 1x ring switch + 1x circuit breaker (GR1-11)
 - 2x ring switch + 1x circuit breaker (GR1-21)
 - 2x ring switch + 2x circuit breaker (GR1-22)
 - 3x ring switch + 1x circuit breaker (GR1-31)
 - 3x ring switch + 2x circuit breaker (GR1-32)

GR1 PERFORMANCE DATA

Rated Voltage	kV	12
Impulse Withstand Voltage	kVp	95
Frequency	Hz	50
Normal Current:		
Ring Switch	A	630
Circuit Breaker	A	200/630
Short-circuit Breaking Current, CB	kA	20
Short-circuit Making Current:		
Ring Switch	kAp	50
Circuit Breaker	kAp	50
Earth Switch	kAp	50
Ingress Protection Class		IP54
Ambient Temperature	C	-5 to +40

FEATURES

- SF6 gas insulation and current interruption - no fire hazards.
- Maintenance free and sealed for life.
- No exposure to live parts.
- Outdoor and indoor installation.
- Robust construction.
- Tee-off circuit breaker using rotating arc technology with TCF.
- Low-cost cable termination.
- Fully extensible and non-extensible.
- Internal arc fault proven.
- Lockable doors.
- Motorized - optional.
- Protection relay - optional.
- Metering - optional.
- Remote control box - optional.
- SCADA ready - optional.
- Integrated cable test facilities.

STANDARDS

Our GR1 switchgear are fully type tested, and designed and tested to IEC standards.

- IEC60056, BS5311: Tee-off circuit breaker.
- IEC60265, BS5463: Ring switch.
- IEC60129, BS5253: Earthing switch.
- IEC62271-100: Indoor or outdoor circuit breakers.
- IEC62271-200 Metal-enclosed switchgear (1kV-52kV).

The tests are performed at the independent test laboratories like KEMA, CESI ect.